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AMENDMENTS TO THE SPECIFICATION

On page 1, first paragraph, please amend the Related Applications as follows:

--This application is a divisional of U.S. Patent Application No. 09/780,731, filed February 9, 2001, now United States Patent No. 6,676,635, which claims priority to the following prior foreign applications: Japanese Patent Application No. 2000-033520, filed February 10, 2000; Japanese Patent Application No. 2000-037176, filed February 15, 2000; Japanese Patent Application No. 2000-198358, filed June 30, 2000; and Japanese Patent Application No. 2001-026782, filed February 2, 2001.

In the SUMMARY OF THE INVENTION on pages 4-7, please remove the following paragraphs:

The aspects of the present invention is as follows.

1. A syringe barrel comprising:

a projection on the rear surface of a flange;

the projection being so formed that when the flange is inserted in a flange insertion groove provided on a cylinder holder and mounted at use position, the tip of the projection is compressed, thereby, the flange is fitted into the flange insertion groove and fixed.

- 2. A cylinder holder comprising:
- a flange insertion groove for holding the syringe barrel of above aspect 1; and
- a concave portion formed on a inner wall surface of the flange insertion groove to be contacted with the rear surface of the flange of the syringe barrel;

whereby, the concave portion is engaged with the projection on the rear surface of the flange when the syringe barrel is mounted at use position.

- 3. A cylinder holder comprising:
- a flange insertion groove for holding a syringe barrel; and
- a projection on a inner wall surface of the flange insertion groove to be contacted with the rear surface of a flange of the syringe barrel; the projection being so formed that when the flange

: 10/689,367

Filed

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October 20, 2003

is inserted in the flange insertion groove and mounted at use position, the projection compresses the flange, thereby, the flange is fitted and fixed in the flange insertion groove.

4. A syringe barrel comprising:
a flange to be held by the flange insertion groove of the cylinder holder of above aspect 3;
a concave portion formed on the rear surface of the flange;
whereby, the concave portion is engaged with the projection on the inner wall surface of the
flange insertion groove when the syringe barrel is mounted at use position.
5. A syringe barrel which can be mounted on a cylinder holder for fixing a syringe
barrel by holding a flange of the syringe barrel by a flange insertion groove, and which can be
used for an injection apparatus; the syringe barrel comprising:
a guide which can be engaged with the cylinder holder and restrict the mounting direction
of the syringe barrel.
———— 6. The syringe barrel according to Clam 5, wherein the guide is a projection having
thickness of such size that the projection is not fitted in the flange insertion groove, and the
engagement with a cylinder holder is accomplished by the relation of fitting of the flange in the
groove and prevention of fitting of the guide in the groove; thereby rotation of the cylinder is
inhibited when the syringe barrel is mounted on a cylinder holder.
7. The syringe barrel according to above aspect 6, wherein the cylinder holder
comprises a vertical part on the inner wall surface on the syringe barrel side, and the guide has a
straight line part to be engaged with the vertical part.
8. The syringe barrel according to above aspect 6, wherein the cylinder holder
comprises two clamps; the two clamps being open before mounting the syringe barrel, and upper
parts of the clamps being closed toward inner side to fix the flange when the syringe barrel is
mounted on the cylinder holder

Appl. No. : 10/689,367 Filed : October 20, 2003	
9. A syringe barrel which can be mounted on a cylinder holder for fixing	g the syringe
barrel by holding a flange of the syringe barrel by a flange insertion groove, and whi	i ch can be
used for an injection apparatus; the syringe barrel comprising:	
a concave portion which can be engaged with a positioning mechanism insta	lled in the
cylinder holder.	
10. The syringe barrel according to above aspect 9, wherein the positionic	ng
mechanism is a latch pushed by a coil spring.	
11. The syringe barrel according to above aspect 9, wherein the positioni	ng
mechanism is a blade spring having a pawl.	
12. 4. A cylinder holder having a positioning mechanism which can be fitte	d with a
concave portion provided on a syringe barrel of any of above aspects 9 to 11.	
13. A chemical solution injecting system, comprising:	
a syringe barrel of any of above aspects 5 to 11; and	
an injecting apparatus having a cylinder holder for fixing the syringe barrel barrel	y holding a
flange of this syringe barrel by a flange insertion groove, a piston holder which hold	ls a piston
used together with this syringe barrel and can move relatively to the cylinder holder,	, and a
driving mechanism which move this piston holder.	
14. A syringe barrel, comprising: a reinforcing rib containing a concentri	c reinforcing
part and a radial reinforcing part, provided on the rear surface of a flange.	
15. A syringe barrel, comprising a double flange.	
16. A syringe barrel, comprising a thick part provided at the base part on	the front
surface of a flange.	

17. A syringe barrel, comprising a reinforcing part in the form of taper provided on

18. A syringe barrel, comprising a flange where at least one of the front surface and

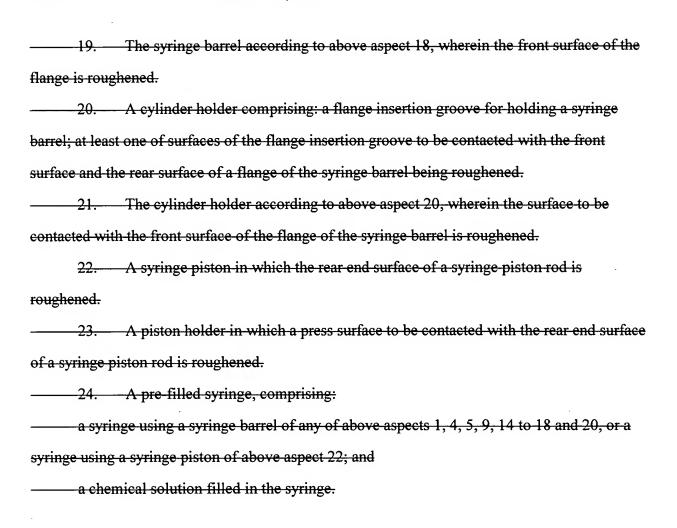
the front surface of a flange.

the rear surface of the flange is roughened.

: 10/689,367

Filed

: October 20, 2003



In the Brief Description of the Drawings, page 11 and 12, starting on line 15, please amend the Figure legends as follows:

Brief Description of the Drawings

Fig. 1 is a view showing a syringe barrel mounted on a cylinder holder.

Fig. 2 is an enlarged view.

- (a) is a view showing fitting of a flange with a flange insertion groove of a cylinder holder.
 - (b) is an enlarged view of a flange insertion groove of a cylinder holder.
 - (c) is an enlarged view of a flange.
- Fig. 3(a) is a view showing a syringe barrel of Embodiment A-1. Figure 3(b) is an enlarged view of the B-part; Figure 3(c) is an x-x sectional view; Figure 3(d) is a y-y sectional view.

: 10/689.367

Filed

October 20, 2003

Fig. 4 is a view showing a Figs. 4(a) –(c) are views of the syringe barrel of Embodiment A-2. Figure 4(a) is a rear sideview; Figure 4(b) is an enlarged view of the C part; Figure 4(c) is an x-x sectional view.

Fig. 5 is a view showing a Figs. 5(a)-(d) are views of the syringe barrel of Embodiment A-3. Figure 5(a) is a rear side view; Figure 5(b) is an enlarged view of the D part; Figure 5(c) is an x-x sectional view; Figure 5(d) is a y-y sectional view.

Fig. 6 is a view Figs. 6(a)-(b) are views showing an example of a cylinder holder having a concave portion. Figure 6(a) is the cylinder holder and Figure 6(b) is the cylinder holder with the syringe barrel mounted.

In the Brief Description of the Drawings, page 13, starting on line 4, please amend the Figure legends as follows:

Fig. 15 is a view Figures 15(a)-(c) are views illustrating holding and positioning of a syringe by a cylinder holder (adaptor) of an automatic injecting apparatus shown in Figs. 11 and 13. Figure 15(a) is a plan view of the mounting of the syringe; Figure 15(b) is a rear side view; and Figure 15(c) is a view showing the use position.

Fig. 16 is an Figure 16(a)-(b) are enlarged views of an adaptor. Figure 16(a) is a plan view and Figure 16(b) is a rear side view.

In the Brief Description of the Drawings, page 18, starting on line 6, please amend the Figure legends as follows:

Fig. 38 is a view Figure 38(a)-(c) are views showing one example of a syringe barrel.

Figure 38(a) is a section of the syringe barrel; Figure 38(b) is a side view from the B direction; and Figure 38(c) is a side view from the C direction.

Fig. 39 is a view Figures 39(a)-(c) are views showing one example of a cylinder holder (adaptor). Figure 39(a) is a top view; Figure 39(b) is a side view; and Figure 39(c) is an enlarged view of an x-x section.